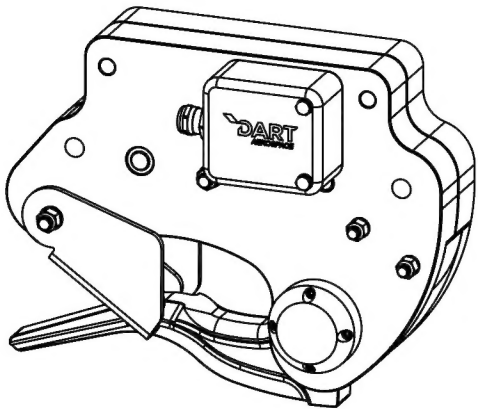
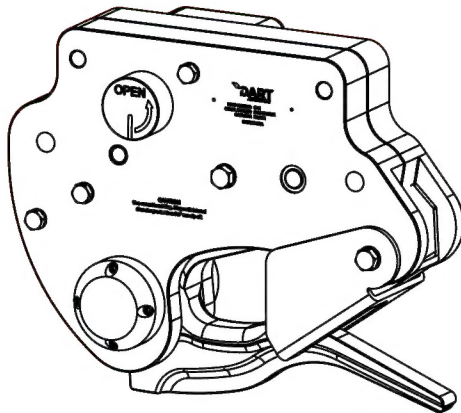


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ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		B/O	C10-9-2	1	LATCH BEARING		(TORRINGTON #6NBC914YZP)	3
			C10-11	1	MANUAL RELEASE KNOB	6061		2
			C10-21-1	2	CLOCK SPRING	301		2
			C10-21-2	2	SPRING COVER	6061		2
		B/O	C10-21-4	8	LOCK WASHER	STEEL	# 10 LOCK WASHER (MCMaster-CARR #91102A740)	2
		B/O	C10-41	1	STRAIN RELIEF CONNECTOR	BRASS	1/2 TRADE SIZE (MCMaster-CARR #6907K14)	2
			C20-100	1	SIDE PLATE (MRK)	7075-T7351		2
		B/O	C20-120	3	LOCATING PIN	STEEL	Ø1/4 X 1-1/2 (MCMaster-CARR #98381A546)	3
			C20-200	1	SIDE PLATE - SOLENOID SIDE	7075-T7351		2
			C20-220	2	UPPER LOCK BUMPER	POLYURETHANE		3
			C20-230	1	LOWER LOCK BUMPER	POLYURETHANE		3
			C20-300A	1	LOAD BEAM ASSEMBLY			2
			C20-321	2	BUSHING	ALUMINUM BRONZE 630		2
			C20-330	1	LOAD BEAM BUMPER	RUBBER		3
			C20-400	1	KEEPER			2
			C20-410	2	KEEPER BUSHING	SINTERED BRONZE	{SYMMCO #SF-1418-10} MODIFIED	2
		B/O	C20-440	1	KEEPER SPRING	303	Ø.102 X 15-1/8 DENDOFF SPRING	2
			C20-445	1	KEEPER SPRING SPACER	DELIN	5/8 OD X 1/2 ID (MCMaster-CARR #1830T149) MODIFIED	2
			C20-500A	1	LOCK ASSEMBLY			3
			C20-510	1	LOCK ROLLER SHAFT	4140/4142		3
			C20-520	1	LOCK ROLLER	4140/4142		3
		B/O	C20-540	2	LOCK SHAFT BUSHING	SINTERED BRONZE	{SYMMCO #SF-2028-12}	3
		B/O	C20-560	1	LOCK SPRING ANCHOR PIN	S.S.	Ø3/16 X 2 (MCMaster-CARR #97395A618)	3
		B/O	C20-570	1	LOCK RETURN SPRING	302	Ø.04 WIRE DENDOFF	3
			C20-600A	1	BELL CRANK ASSEMBLY			3
			C20-610	1	LINK PIN - SHORT	O-1		3
		B/O	C20-650	1	BELL CRANK BUSHING - LONG	SINTERED BRONZE	{SYMMCO #SF-2432-12}	3
		B/O	C20-655	1	BELL CRANK BUSHING - SHORT	SINTERED BRONZE	{SYMMCO #SF-2432-08}	3
			C20-700	1	LEVER ARM	4140/4142		3
			C20-710	1	LEVER ARM PIVOT BEARING PIN	4140/4142	Ø 3/8 (MCMaster-CARR #5252T315)	3
			C20-715	1	LEVER ARM BEARING PIN	01		3
		B/O	C20-720	1	LEVER ARM BEARING		{KAMAN 6NBF817YJ}	3
		B/O	C20-735	1	LEVER ARM RETURN SPRING	303	Ø.07 X 4-7/8 DENDOFF	3
		B/O	C20-740	1	LINK SPRING	303	Ø.04 X 9-7/8 DENDOFF	3
			C20-750	1	LINK	4140/4142		3
			C20-755	2	LEVER ARM BUSHING	4140/4142		3
			C20-760	2	LINK PIN - LONG	4140/4142		3
			C20-900	1	SOLENOID ASSEMBLY			2
		B/O	C45-3-2-1	2	SNAP RING	STEEL	Ø3/8 (KAMAN 1400-0037)	3
		B/O	C45-3-4-1	6	RETAINING RING	BERYLLIUM COPPER	3/16 SHAFT (MCMaster-CARR #98410A110)	3
			C45-8-4	1	SOLENOID COVER GASKET	BLENDED RUBBER		2
			C45-8-5	1	SOLENOID COVER	6061		2
		B/O	C45-12-6	2	RETAINING RING	STEEL	{KAMAN #N1400-0050}	3
		B/O	C2-14-2	2	LABEL RIVETS 	18-8 S.S.	NO 4 (MCMaster-CARR #91654A106)	N/S
			600.1309	1	LABEL 	ALUMINUM		N/S
			600.1309-A	1	LABEL 	ALUMINUM		N/S
		B/O	600.1347	1	C10 WARNING LABEL 	VINYL	SIGNS NOW	N/S
		B/O	188-FSCS-1032-3/4	8	BOLT	STEEL	10-32 X 3/4 (MCMaster-CARR #90128A945)	2
		B/O	188-FPSS-1032-1/4	2	LATCH SET SCREW	S.S.	10-32 X 1-1/4 (MCMaster-CARR #94355A330)	3
		B/O	188-FPSS-1/4 20-3/8	2	SET SCREW	S.S.	1/4-20 X 3/8 (MCMaster-CARR #92311A535)	2
		B/O	AN4-23A	2	SOLENOID COVER BOLT	STEEL	1/4-28 X 2.406	2
		B/O	AN6-35A	3	SIDE PLATE BOLT	STEEL	3/8-24 X 3.703	2
		B/O	AN7-35A	1	BOLT	STEEL	7/16-20 X 3.719	2
		B/O	AN7-41A	1	KEEPER BOLT	STEEL	7/16-20 X 4.219	2
		B/O	AN960-416	3	SOLENOID COVER WASHER	STEEL	Ø1/4	2
		B/O	AN960-416L	2	SOLENOID WASHER	STEEL	Ø1/4	2
		B/O	AN960-616	6	SIDE PLATE WASHER	STEEL	Ø3/8	2
		B/O	AN960-716	4	KEEPER BOLT WASHER	STEEL	Ø7/16	2
		B/O	MS21044N6	3	SIDE PLATE NUT	STEEL	3/8-24	2
		B/O	MS21044N7	2	KEEPER NUT	STEEL	7/16-20	2
		B/O	MS21083N4	2	NYLOCK NUT	STEEL	1/4-28	2
		B/O	MS27039-4-08	1	SCREW	STEEL	1/4-28 X 17/32	2
			EL314-SJTOW	1	ELECTRICAL WIRE 3/14 SJTOW		{TEXCAN 314-SJTOW 3/14}	3
		B/O	32448	2	16-14 AWG KNIFE CONNECTOR		{ALLIED ELECTRONICS #32448}	3
		B/O	EL-PLUG-M	1	MALE PLUG	PE High Density	{MCMaster-CARR #7216K5}	3
		B/O		1	HEAT SHRINK TUBE	RUBBER	{MCMaster-CARR #2595K2}	3

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0084	CH'D TITLEBLOCK WAS RED BARN IS DART. ADDED PART C20-445.	10/28/2014	DJN	JAG
2	15-0167	UPDATED TO NEW DRAFTING STANDARDS. C20-240 DELETED. C20-245 REPLACED W/ 600.1309 . C20-550 REPLACED W/ C45-12-6 . C20-630 REPLACED W/ C10-11 . C20-440 REPLACED W/ 188-FPSS-1/4 20-3/8 . C20-705 REPLACED W/ 188-FPSS-1032-1/4 . C20-725 REPLACED W/ C45-3-4-1 . C20-730 REPLACED W/ C10-9-2 . C20-770 REPLACED W/ C45-3-2-1 . C20-800 REPLACED W/ C10-21-1 . C20-810 REPLACED W/ C10-21-2 . C20-820 REPLACED W/ 188-FSCS-1032-3/4 . C20-830 REPLACED W/ C10-21-4 . C20-940 REPLACED W/ C45-8-5 . C20-950 REPLACED W/ C45-8-4 . AN7-41 REPLACED W/ AN7-41A . MS27039-4-10 REPLACED W/ MS27039-4-08 . 32446 DELETED. AN6-35A CH'D QTY WAS 4 IS 3. AN960-616 CH'D QTY WAS 8 IS 6. AN960-716 CH'D QTY WAS 2 IS 4. MS21044N6 CH'D QTY WAS 4 IS 3. MS21044N7 CH'D QTY WAS 1 IS 2. C2-14-2 . AN7-35A . 600.1347 . 600.1309-A ADDED TO BOM. ADDED FOR REBUILD ONLY NOTES. ADDED ENGRAVING NOTES & DETAILS.	7/14/2015	DPD	JAG



SEE ATTACHED DEVIATION



NOTES:

 FOR REBUILD ONLY.

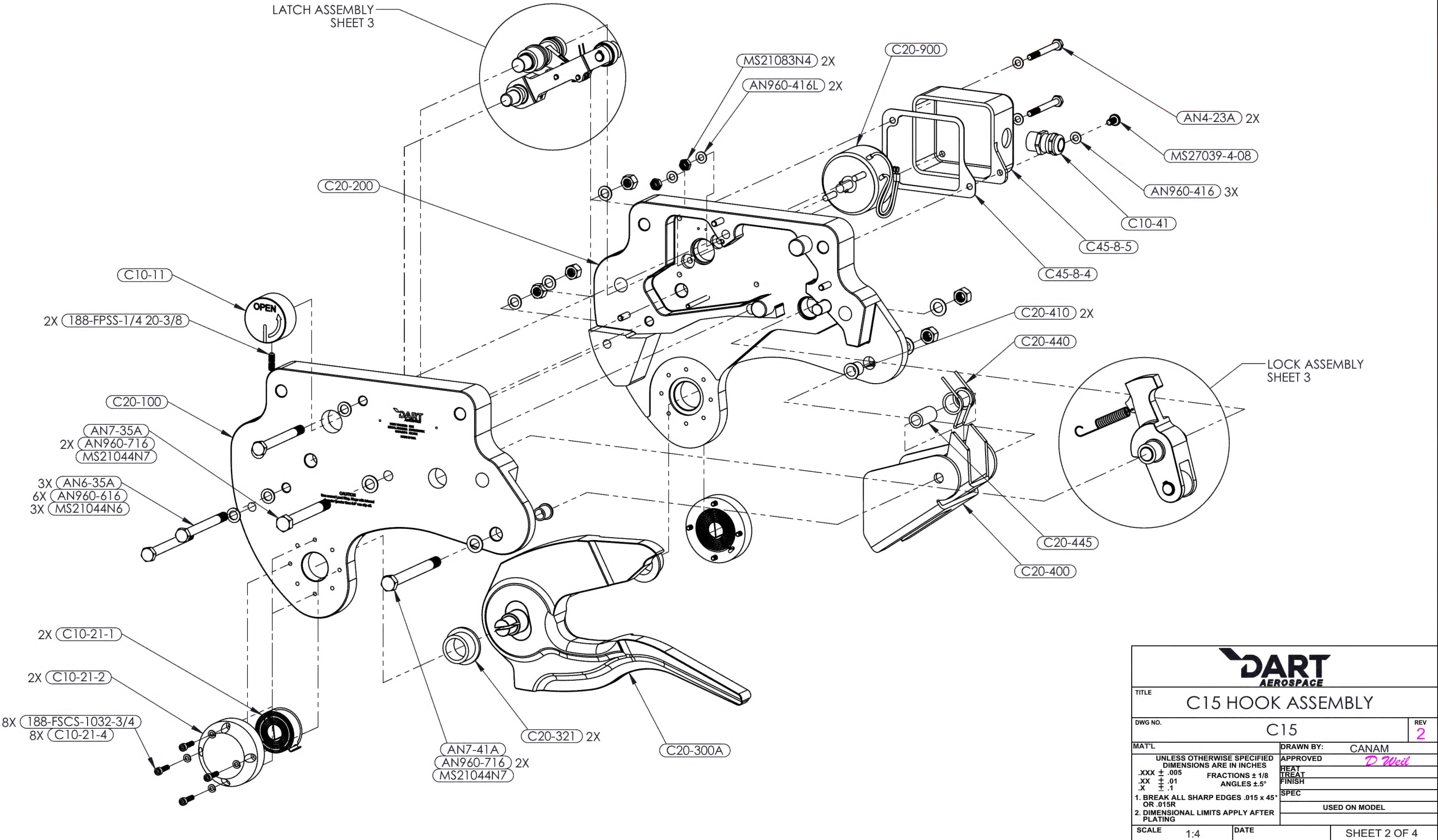
 FOR CUSTOMER REBUILD ONLY.

			
TITLE		C15 HOOK ASSEMBLY	
DWG NO.		C15	REV 2
MAT'L		DRAWN BY: CANAM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED 	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:6		DATE	SHEET 1 OF 4

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION

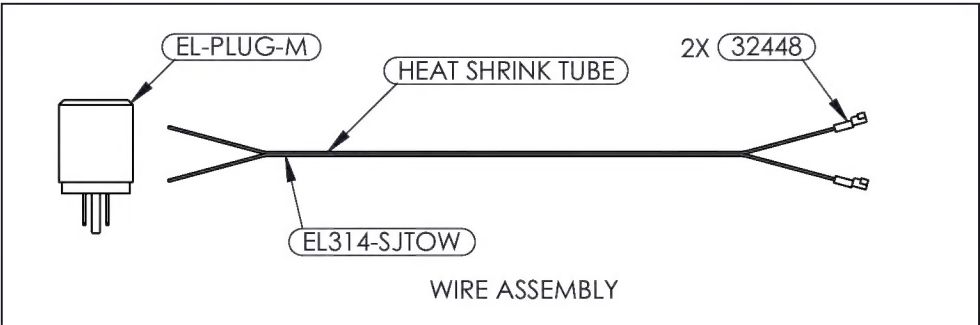
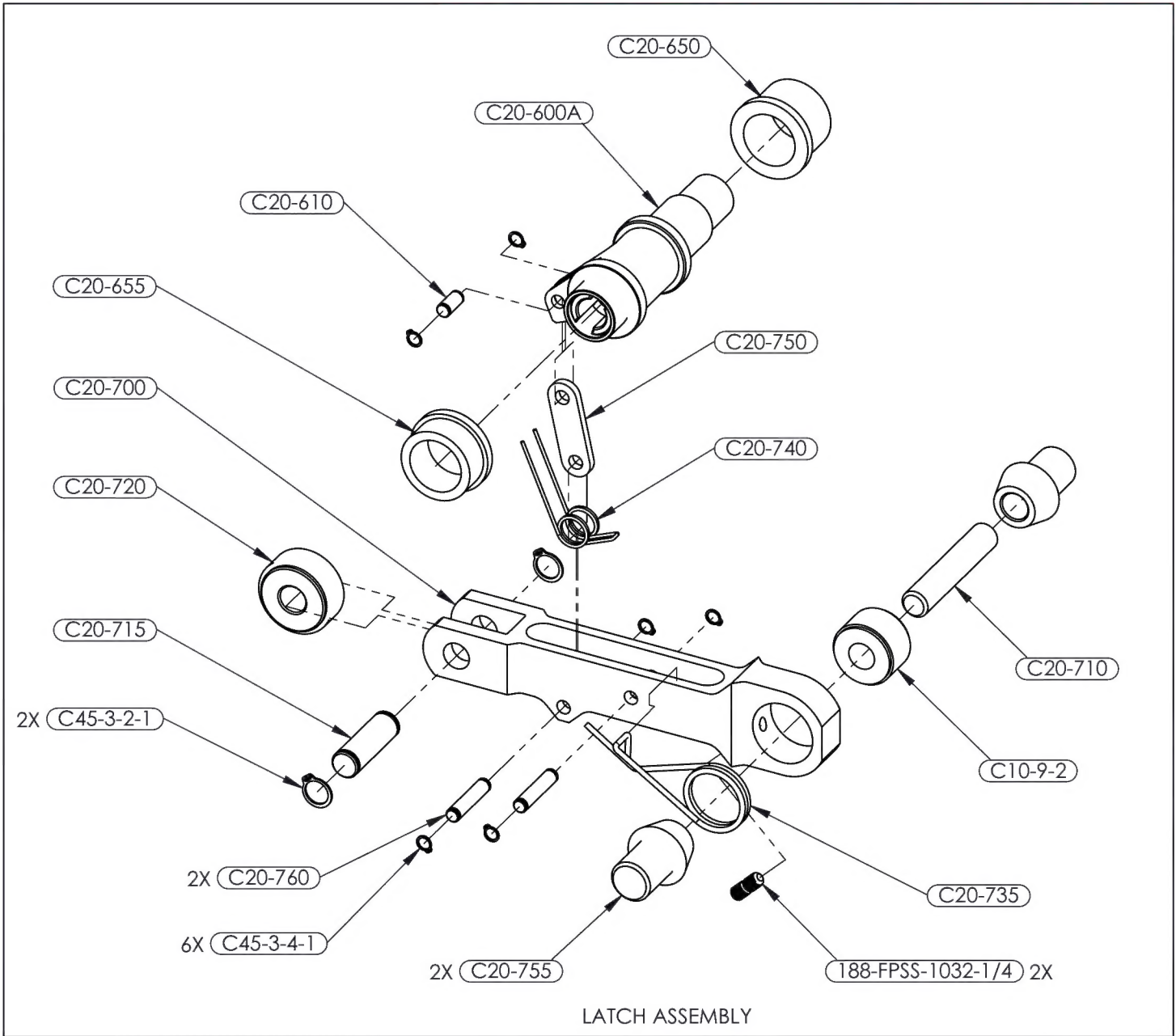
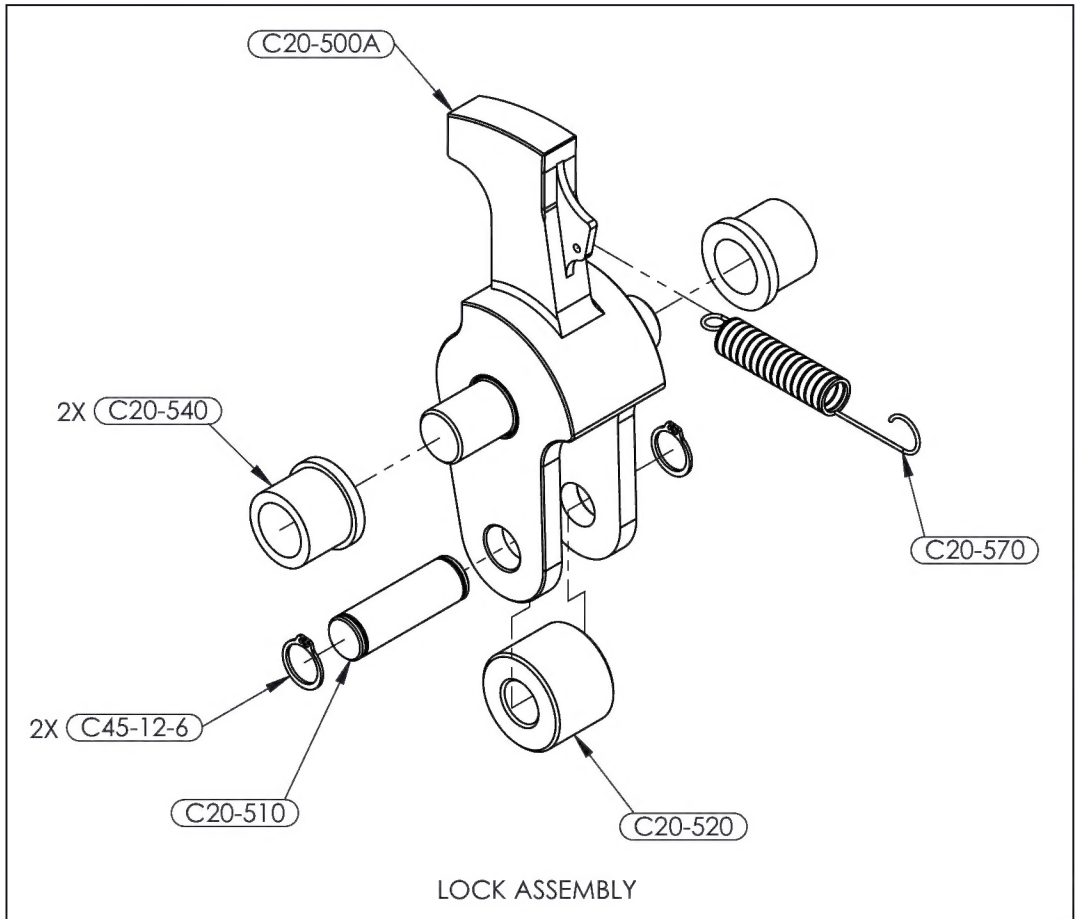
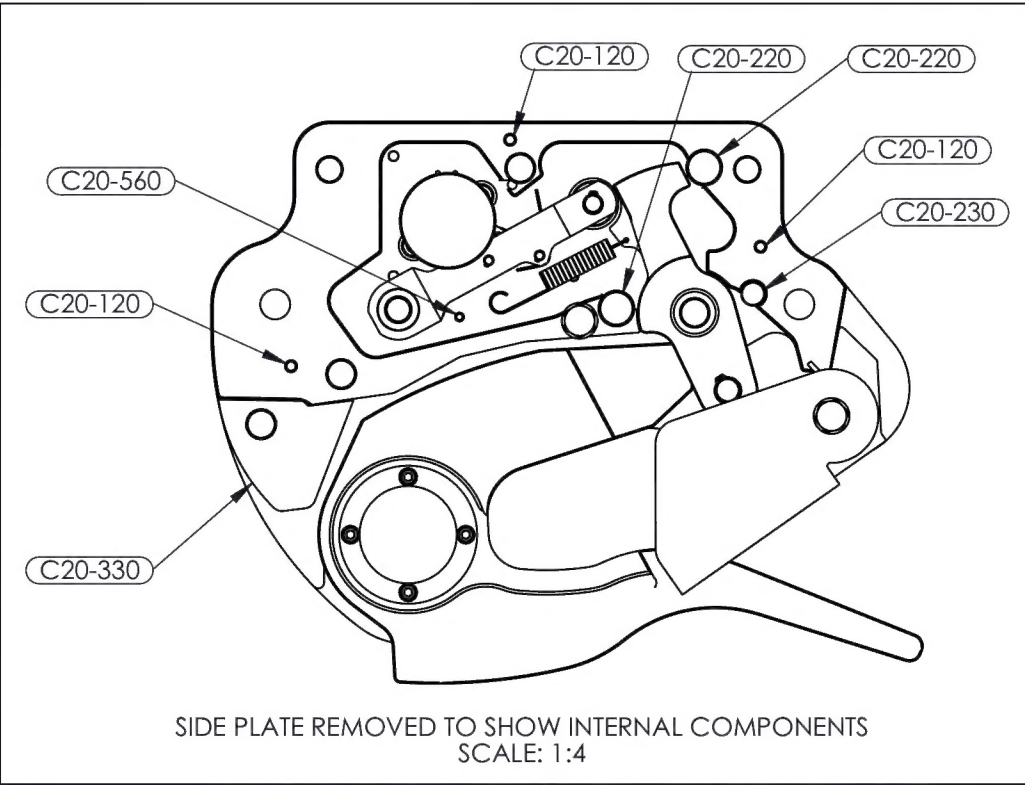


DART AEROSPACE			
TITLE C15 HOOK ASSEMBLY			
DWG NO. C15			REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: CANAM APPROVED: <i>D Weil</i> TREAT FINISH SPEC USED ON MODEL	
SCALE 1:4	DATE		SHEET 2 OF 4

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REVISIONS					
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SEE ATTACHED DEVIATION

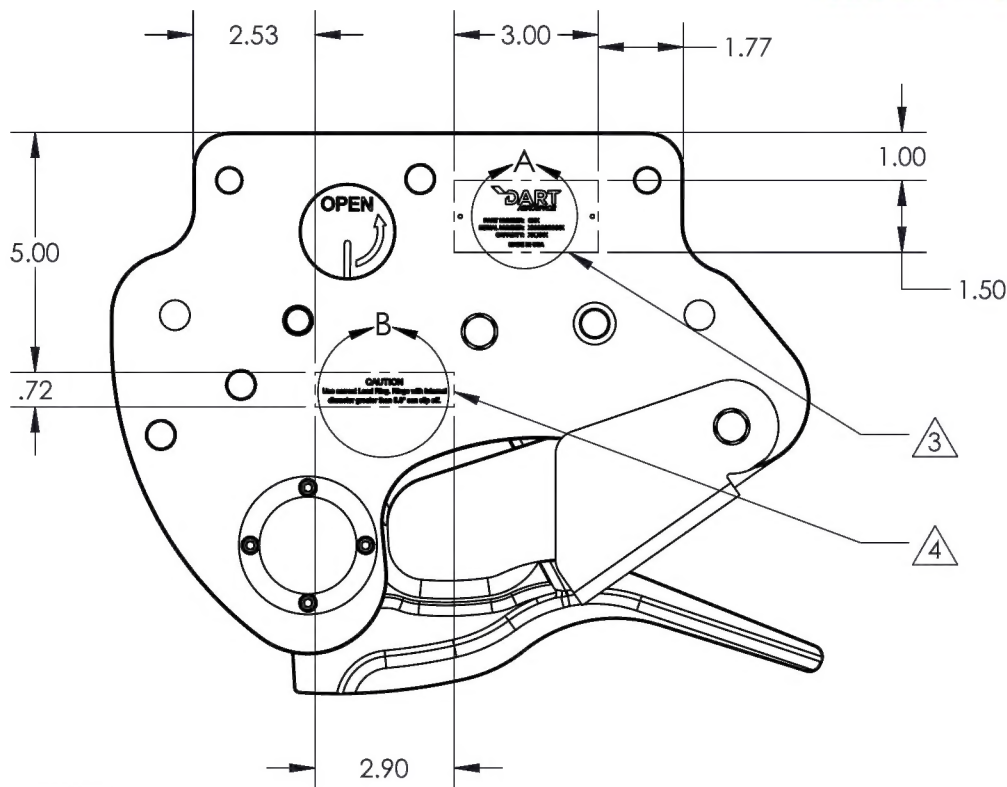


DART AEROSPACE		
TITLE C15 HOOK ASSEMBLY		
DWG NO. C15		REV 2
MATERIAL UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: CANAM APPROVED: <i>D. Weil</i> TREAT FINISH SPEC USED ON MODEL
SCALE 1:2	DATE	SHEET 3 OF 4

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION



DETAIL A
SCALE 1 : 1



DETAIL B
SCALE 1 : 2

NOTE:

- ③ LASER ENGRAVE DART LOGO, P/N, S/N, CAPACITY, "MADE IN USA," WITHIN BOUNDARY.
- ④ LASER ENGRAVE CAUTION NOTE, WITHIN BOUNDARY.

DART AEROSPACE	
TITLE C15 HOOK ASSEMBLY	
DWG NO. C15	REV 2
MAT'L	DRAWN BY: CANAM
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:4	DATE
SHEET 4 OF 4	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. <u>C series hooks and SWA Swivels</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input checked="" type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div>			
Date :	Sequence #:	QTY Affected :		MRB (QS1042) May, 9 2019 <i>M. Lee</i>	
Description Work Order Deviation		Disposition		Completed By	
The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"		This deviation is acceptable. No change to fit form or function. The job route must specify the wire that is called out on the drawing The inventory P/N must reflect the same P/N that was received from a vendor		Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause		FAULT CATEGORY			
<div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input checked="" type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div>			

P/N	Revision	Drawing Specified Wire	Acceptable Alternate Wire
C2	2	MIL-C-27500 11-14416	N/A
C3	2	MIL-C-27500 11-14417	N/A
C10	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C15	2	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C20	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C45	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C60	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C250	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-4	3	EL 414-ARTIC 4/14	Texcan 01121-744A5
SWA6A-2	E	Texcan 01121-724AM	N/A
SWA6A-3	E	Texcan 01121-734A5 or 01004-08-047	N/A
SWA6A-4	E	Texcan 01121-744A5	N/A
SWA6A-6	E	Texcan 04121-764A5	N/A
SWA6A-8	E	Texcan 12701-08-014 or McMaster 7081K38	N/A
SWA10A-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-4	3	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA10A-6	3	EL 616 ARTIC	Texcan 04121-764A5
SWA10A-8	3	Polar Wire 30806	Texcan 12701-08-014 or McMaster 7081K38
SWA15A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA15A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SWA15A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38
SAW25A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SAW25A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SAW25A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38